

30 credits - Web accessibility for collaboration solutions

Ingress:

Thesis project at Scania is an excellent way of making contacts for your future working life. Many of our current employees started their career with a thesis project.

Background

Web accessibility refers to the inclusive practice of removing barriers that prevent access to websites by people with disabilities. When sites are correctly designed, developed and edited, all users have equal access to information and functionality.

The needs that Web accessibility aims to address include:

- **Visual:** Visual impairments including blindness, various common types of low vision and poor eyesight, various types of color blindness;
- **Motor/Mobility:** e.g. difficulty or inability to use the hands, including tremors, muscle slowness, loss of fine muscle control, etc., due to conditions such as Parkinson's Disease, muscular dystrophy, cerebral palsy, stroke;
- **Auditory:** Deafness or hearing impairments, including individuals who are hard of hearing;
- **Seizures:** Photoepileptic seizures caused by visual strobe or flashing effects.
- **Cognitive/Intellectual:** Developmental disabilities, learning disabilities (dyslexia, dyscalculia, etc.), and cognitive disabilities of various origins, affecting memory, attention, developmental "maturity," problem-solving and logic skills, etc.

To support the learning organization Scania has a set of core collaboration services, including capabilities/solutions as intranet, extranet, document collaboration, social networking, mail, instant messaging, video conferencing and enterprise search.

Target:

The task of this thesis is to investigate how the Scania core collaboration solutions are impacted by a web accessibility approach.

Assignment:

- Describe the area “web accessibility” and it’s overall implication on Scania. What is required by law?
- Evaluate existing core collaboration solutions and propose activities for improvements
- Suggest how Scania shall handle web accessibility issues in the future. What needs are there within the company? Create guidelines.
- Involve appropriate parts of Scania, such as SHE, HR and user interface development
- Find out what is mandatory by law
- Look at what other companies are doing
- Proposed next steps.

Education:

- Master of science in engineering or/and computer science
- Number of students: 1 or 2
- Start date: 2016 first quarter
- Duration: 20 weeks

Contact person

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Application

Enclose a CV, personal letter and basis of assessment.

Last day of application is 2015-10-31.

Apply for this job:

<http://jobsearch.scania.com/segerjoblist/presentation.aspx?presGrpId=7410&langId=1&ie=False>